



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )

MÖCK et al. )

Serial No. 09/714,191 )

Filed: November 17, 2000 )

For: SANDWICH PANEL )

Group Art Unit: 1771

Examiner: ROCHE, LEANNA M.

RECEIVED  
JUL 01 2003  
GROUP 1700

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

June 25, 2003

Date of Deposit

Jason D. Voight

Person Making Deposit

Signature

June 25, 2003

Date of Signature

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

AMENDMENT AND RCE UNDER 37 CFR 1.114

In response to the Office action of February 25, 2003, please enter the following amendment.

IN THE CLAIMS

Please cancel claims 5-6, 9-10 and 15.

Please amend the claims as follows.

1. (currently amended) A sandwich panel, comprising:

(A) a core layer of polypropylene particle ~~form~~, foam based on foam particles  
with a particle size in the range from 2 to 8 mm and a bulk density in the range from 10  
to 100 g/l between

(B) ~~at least~~ two cover layers of fiber-reinforced polypropylene, each of said cover  
layers having a face opposite the core layer; and

(C) optionally, ~~one or more~~ a decorative layers layer on each of the faces,

wherein the core layer ~~is sandwiched between said cover layers and~~ A  
comprises from 1 to 30% 10% by weight of recycle particles of components A, B and  
optionally C having an average particle size of from 5 to 10 mm ;

~~and wherein, when said decorative layers are present, the foam core and cover~~  
~~layers are sandwiched between said decorative layers.~~

2. (original) A sandwich panel as claimed in claim 1, wherein the cover layers B  
include from 10 to 60% by weight of glass, natural or polymeric fibers in the form of  
mats, nonwoven scrims, wovens or short fibers.

3. (original) A sandwich panel as claimed in claim 2, wherein the cover layers  
include from 20 to 50% by weight of glass mats.

4. (currently amended) A sandwich panel as claimed in claim 1, wherein the  
decorative panel comprises a fiber web, a polymeric film ~~, a laminated~~ or a foam film ~~or~~  
~~unlaminated foam.~~

5. (canceled)

6. (canceled)

7. (previously added) The sandwich panel as claimed in claim 1, wherein the polypropylene of the particle foam in the core layer is selected from the group consisting of a polypropylene homopolymer, a copolymer of polypropylene and 0.5 to 15% by weight of ethene, a copolymer of polypropylene and 0.5 to 15% by weight of 1-butene, and a copolymer of polypropylene and from 0.5 to 15% by weight of ethene and 1-butene.

8. (previously added) The sandwich panel as claimed in claim 1, wherein the polypropylene of the particle foam of the core layer has a crystallite melting point in the range of 120° to 170°C.

9. (canceled)

10. (canceled)

11. (previously added) The sandwich panel as claimed in claim 1, wherein the polypropylene in the cover layers is selected from the group consisting of a polypropylene homopolymer, a graft copolymer of polypropylene and maleic anhydride, a graft copolymer of polypropylene and acrylic acid, a copolymer of polypropylene and maleic anhydride, and a copolymer of polypropylene and acrylic acid.

12. (currently amended) The sandwich panel as claimed in claim 1, wherein the decorative layers comprise a fiber web, wherein said fiber web comprises ~~at least one selected from the group consisting of a polyester ; or polyamide, polymeric film ; or a foam film ; and a foam film~~ optionally laminated with a film.

13. (previously added) The sandwich panel as claimed in claim 1, wherein the core layer comprises from 1 to 20% by weight of said recyclate particles.

14. (previously added) The sandwich panel as claimed in claim 1, wherein the core layer comprises from 2 to 10% by weight of said recyclate particles.

15. (canceled)

16. (previously added) The sandwich panel as claimed in claim 1, wherein the recyclate particles have an average particle size of from 6 to 8 mm.

17. (previously added) The sandwich panel as claimed in claim 1, wherein the core layer is 3 to 20 mm thick.

18. (previously added) The sandwich panel as claimed in claim 1, wherein each of the cover layers is 0.5 to 2 mm thick.

19. (previously added) The sandwich panel as claimed in claim 1, wherein the decorative layers are 1 to 5 mm thick.

20. (previously added) The sandwich panel as claimed in claim 1, wherein the decorative layers are 1 to 3 mm thick.

21. (currently amended) The sandwich panel as claimed in claim 1, wherein the core layer is obtained by welding 1 to 20% 10% by weight of the ~~recyclate~~ recyclate particles having an average particle size of from 5 to 10 mm with 80 90 to 99% by weight of polypropylene foam particles.

22. (previously added) The sandwich panel as claimed in claim 1, wherein the core layer is 3 to 20 mm thick and each of the cover layers is 0.5 to 2 mm thick.

23. (previously added) The sandwich panel as claimed in claim 1, wherein the decorative layers each comprise a fiber web foam film from 1 to 5 mm thick.

24. (previously added) The sandwich panel as claimed in claim 1, wherein the

MÖCK et al., Ser. No. 09/714,191

decorative layers each comprise a fiber web or a foam film from 1 to 3 mm thick.

25. (previously added) A motor vehicle part selected from the group consisting of truck floor, parcel shelf and side door trim, comprising the sandwich panel as claimed in claim 1.